

## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

APPLICATION NO.	F	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/029,012 12/21/2001		12/21/2001	Brian M. Charley	0888.0004	0888.0004 3254	
26781	7590	02/17/2006		EXAMINER		
BROUSE 388 SOUTI			CHIN SHUE	CHIN SHUE, ALVIN C		
SUITE 500			ART UNIT	PAPER NUMBER		
AKRON, O	OH 44311		3634	· · · · · · · · · · · · · · · · · · ·		

DATE MAILED: 02/17/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Notice of Abandonment    10(028,012		Application No.	Applicant(s)				
Examiner		10/029.012	CHARLEY, BRIAN M.				
This application is abandoned in view of:	Notice of Abandonment						
This application is abandoned in view of:		Alvin C. Chin-Shue	3634				
1. Applicant's failure to timely file a proper reply to the Office letter mailed on 21 July 2005.  (a) A reply was received on (with a Certificate of Mailing or Transmission dated), which is after the expiration of the period for reply (including a total extension of time of months), which expired on  (b) A proposed reply was received on but it does not constitute a proper reply under 37 CFR 1.113 (a) to the final rejection. (A proper reply under 37 CFR 1.113 fo a final rejection consists only of: (1) a timely filed amendment which places the application in condition for allowance; (2) a timely filed amendment which places the application in condition for allowance; (2) a timely filed mandment which places the application in condition for allowance; (2) a timely filed amendment which places the application in condition for allowance; (2) a timely filed amendment which places the application for Continued Examination (RCE) in compliance with 37 CFR 1.149.  (c) A reply was received on timely filed Request for Continued Examination (RCE) in compliance with 37 CFR 1.134.  (d) We have reply was received on timely filed required issue fee and publication fee, if applicable, was received on (with a Certificate of Mailing or Transmission dated ), which is after the expiration of the statutory period for payment of the issue fee (and publication fee) set in the Notice of Allowance (PTOL-85).  (b) The submitted fee of \$ is insufficient. A balance of \$ is due. This issue fee and publication fee, if applicable, has not been received.  3 Applicant's failure to timely file corrected drawings as required by, and within the three-month period set in, the Notice of Allowability (PTO-37).  (a) Proposed corrected drawings were received on (with a Certificate of Mailing or Transmission dated), which is after the expiration of the period for reply.  (b) No corrected drawings have been received on (with a Certificate of Mailing or Transmission dated	The MAILING DATE of this communication app	<u></u>	<u>, , , , , , , , , , , , , , , , , , , </u>				
(a) A reply was received on (with a Certificate of Mailing or Transmission dated), which is after the expiration of the period for reply fincluding a total extension of time of month(s) which expired on (Part of reply including a total extension of time of month(s) which expired on (Part of reply including a total extension of official or (Part of reply including a total extension of the decision of part of the final rejection. (A proper reply under 37 CFR 1.113 (a) to the final rejection. (A proper reply under 37 CFR 1.113 (a) to the final rejection. (A proper reply under 37 CFR 1.113 (a) to the final rejection. (A proper reply under 37 CFR 1.114).  (c) A reply was received on to it id does not constitute a proper reply, or a bona fide attempt at a proper reply, to the non-final rejection. See 37 CFR 1.85(a) and 1.111. (See explanation in box 7 below).  (d) W No reply has been received.  2. Applicant's failure to timely pay the required issue fee and publication fee, if applicable, within the statutory period of three months from the mailing date of the Notice of Allowance (PTOL-85).  (a) The issue fee and publication fee, if applicable, was received on (with a Certificate of Mailing or Transmission dated ), which is after the expiration of the statutory period for payment of the issue fee (and publication fee) set in the Notice of Allowance (PTOL-85).  (b) The submitted fee of \$ is insufficient. A balance of \$ is due. The issue fee and publication fee, if applicable, has not been received.  3. Applicant's failure to timely file corrected drawings as required by, and within the three-month period set in, the Notice of Allowability (PTO-37).  (a) Proposed corrected drawings were received on (with a Certificate of Mailing or Transmission dated), which is after the expiration of the period for reply.  (b) No corrected drawings have been received.  3. The letter of express abandonment which is signed by an attorney or agent (acting	This application is abandoned in view of:						
(a) A reply was received on (with a Certificate of Mailing or Transmission dated), which is after the expiration of the period for reply fincluding a total extension of time of month(s) which expired on (Part of reply including a total extension of time of month(s) which expired on (Part of reply including a total extension of official or (Part of reply including a total extension of the decision of part of the final rejection. (A proper reply under 37 CFR 1.113 (a) to the final rejection. (A proper reply under 37 CFR 1.113 (a) to the final rejection. (A proper reply under 37 CFR 1.113 (a) to the final rejection. (A proper reply under 37 CFR 1.114).  (c) A reply was received on to it id does not constitute a proper reply, or a bona fide attempt at a proper reply, to the non-final rejection. See 37 CFR 1.85(a) and 1.111. (See explanation in box 7 below).  (d) W No reply has been received.  2. Applicant's failure to timely pay the required issue fee and publication fee, if applicable, within the statutory period of three months from the mailing date of the Notice of Allowance (PTOL-85).  (a) The issue fee and publication fee, if applicable, was received on (with a Certificate of Mailing or Transmission dated ), which is after the expiration of the statutory period for payment of the issue fee (and publication fee) set in the Notice of Allowance (PTOL-85).  (b) The submitted fee of \$ is insufficient. A balance of \$ is due. The issue fee and publication fee, if applicable, has not been received.  3. Applicant's failure to timely file corrected drawings as required by, and within the three-month period set in, the Notice of Allowability (PTO-37).  (a) Proposed corrected drawings were received on (with a Certificate of Mailing or Transmission dated), which is after the expiration of the period for reply.  (b) No corrected drawings have been received.  3. The letter of express abandonment which is signed by an attorney or agent (acting	Applicant's failure to timely file a proper reply to the Office	a letter mailed on 21 July 2005					
(A proper reply under 37 CFR 1.113 to a final rejection consists only of: (1) a timely filed amendment which places the application in condition for allowance; (2) a timely filed Notice of Appeal (with appeal fee); or (3) a timely filed Notice of Appeal (with appeal fee); or (3) a timely filed Notice of Appeal (with appeal fee); or (3) a timely filed Notice of Appeal (with appeal fee); or (3) a timely filed Request for Continued Examination (RCE) in compliance with 37 CFR 1.185 (a) and 1.111. (See explanation in box 7 below).  (d) \( \text{ No reply was received on but it does not constitute a proper reply, or a bona fide attempt at a proper reply, to the non-final rejection. See 37 CFR 1.85(a) and 1.111. (See explanation in box 7 below).  (d) \( \text{ No reply has been received.} \)  2. \( \text{ Applicant's failure to timely pay the required issue fee and publication fee, if applicable, within the statutory period of three months from the mailing date of the Notice of Allowance (PTOL-85).  (a) \( \text{ The issue fee and publication fee, if applicable, was received on (with a Certificate of Mailing or Transmission dated), which is after the expiration of the statutory period for payment of the issue fee (and publication fee) set in the Notice of Allowability (PTOL-85).  (b) \( \text{ The issue fee required by 37 CFR 1.18 is \( \frac{1}{2} \) and the proper fee of \$\( \frac{1}{2} \) is submitted fee of \$\( \frac{1}{2} \) is a possible fee of \$\( \frac{1}{2} \) is submitted fee of \$\( \frac{1}{2} \) is a feet of the notion of the sub	(a) A reply was received on (with a Certificate of Mailing or Transmission dated), which is after the expiration of the period for reply (including a total extension of time of month(s)) which expired on						
application in condition for allowance; (2) a timely filed Notice of Appeal (with appeal fee); or (3) a timely filed Request for Continued Examination (RCE) in compliance with 37 CFR 1.114).  (c)							
final rejection. See 37 CFR 1.35(a) and 1.111. (See explanation in box 7 below).  (d) No reply has been received.  2. Applicant's failure to timely pay the required issue fee and publication fee, if applicable, within the statutory period of three months from the mailing date of the Notice of Allowance (PTOL-85).  (a) The issue fee and publication fee, if applicable, was received on (with a Certificate of Mailing or Transmission dated), which is after the expiration of the statutory period for payment of the issue fee (and publication fee) set in the Notice of Allowance (PTOL-85).  (b) The submitted fee of \$ is insufficient. A balance of \$ is due.  The issue fee required by 37 CFR 1.18 is \$ The publication fee, if required by 37 CFR 1.18(d), is \$ (c) The issue fee and publication fee, if applicable, has not been received.  3. Applicant's failure to timely file corrected drawings as required by, and within the three-month period set in, the Notice of Allowability (PTO-37).  (a) Proposed corrected drawings were received on (with a Certificate of Mailing or Transmission dated), which is after the expiration of the period for reply.  (b) No corrected drawings have been received.  4. The letter of express abandonment which is signed by the attorney or agent of record, the assignee of the entire interest, or all of the applicants.  5. The letter of express abandonment which is signed by an attorney or agent (acting in a representative capacity under 37 CFR 1.34(a)) upon the filing of a continuing application.  6. The decision by the Board of Patent Appeals and Interference rendered on and because the period for seeking court review of the decision has expired and there are no allowed claims.  7. The reason(s) below:  Petitions to revive under 37 CFR 1.137(a) or (b), or requests to withdraw the holding of abandonment under 37 CFR 1.181, should be promptly filed to minimize any negative effects on patent term.	application in condition for allowance; (2) a timely filed Notice of Appeal (with appeal fee); or (3) a timely filed Request for						
2. Applicant's failure to timely pay the required issue fee and publication fee, if applicable, within the statutory period of three months from the mailing date of the Notice of Allowance (PTOL-85).  (a) The issue fee and publication fee, if applicable, was received on (with a Certificate of Mailing or Transmission dated hallowance (PTOL-85).  (b) The submitted fee of \$ is insufficient. A balance of \$ is due. The issue fee required by 37 CFR 1.18 is \$ The publication fee, if required by 37 CFR 1.18 (d), is \$ (c) The issue fee and publication fee, if applicable, has not been received.  3. Applicant's failure to timely file corrected drawings as required by, and within the three-month period set in, the Notice of Allowability (PTO-37).  (a) Proposed corrected drawings were received on (with a Certificate of Mailing or Transmission dated (high is after the expiration of the period for reply.  (b) No corrected drawings have been received.  4. The letter of express abandonment which is signed by the attorney or agent of record, the assignee of the entire interest, or all of the applicants.  5. The letter of express abandonment which is signed by an attorney or agent (acting in a representative capacity under 37 CFR 1.34(a)) upon the filing of a continuing application.  6. The decision by the Board of Patent Appeals and Interference rendered on and because the period for seeking court review of the decision has expired and there are no allowed claims.  7. The reason(s) below:	(c) A reply was received on but it does not constitute a proper reply, or a bona fide attempt at a proper reply, to the non-final rejection. See 37 CFR 1.85(a) and 1.111. (See explanation in box 7 below).						
from the mailing date of the Notice of Allowance (PTOL-85).  (a)   The issue fee and publication fee, if applicable, was received on (with a Certificate of Mailing or Transmission dated), which is after the expiration of the statutory period for payment of the issue fee (and publication fee) set in the Notice of Allowance (PTOL-85).  (b)   The submitted fee of \$ is insufficient. A balance of \$ is due.  The issue fee required by 37 CFR 1.18 is \$ The publication fee, if required by 37 CFR 1.18(d), is \$  (c)   The issue fee and publication fee, if applicable, has not been received.  3   Applicant's failure to timely file corrected drawings as required by, and within the three-month period set in, the Notice of Allowability (PTO-37).  (a)   Proposed corrected drawings were received on (with a Certificate of Mailing or Transmission dated), which is after the expiration of the period for reply.  (b)   No corrected drawings have been received.  4.   The letter of express abandonment which is signed by the attorney or agent of record, the assignee of the entire interest, or all of the applicants.  5.   The letter of express abandonment which is signed by an attorney or agent (acting in a representative capacity under 37 CFR 1.34(a)) upon the filing of a continuing application.  6.   The decision by the Board of Patent Appeals and Interference rendered on and because the period for seeking court review of the decision has expired and there are no allowed claims.  7.   The reason(s) below:	(d) ⊠ No reply has been received.						
	from the mailing date of the Notice of Allowance (PTOL-85).						
The issue fee required by 37 CFR 1.18 is \$ The publication fee, if required by 37 CFR 1.18(d), is \$  (c) ☐ The issue fee and publication fee, if applicable, has not been received.  3. ☐ Applicant's failure to timely file corrected drawings as required by, and within the three-month period set in, the Notice of Allowability (PTO-37).  (a) ☐ Proposed corrected drawings were received on (with a Certificate of Mailing or Transmission dated), which is after the expiration of the period for reply.  (b) ☐ No corrected drawings have been received.  4. ☐ The letter of express abandonment which is signed by the attorney or agent of record, the assignee of the entire interest, or all of the applicants.  5. ☐ The letter of express abandonment which is signed by an attorney or agent (acting in a representative capacity under 37 CFR 1.34(a)) upon the filing of a continuing application.  6. ☐ The decision by the Board of Patent Appeals and Interference rendered on and because the period for seeking court review of the decision has expired and there are no allowed claims.  7. ☐ The reason(s) below:  Alvin C. Chin-Shue Examiner Art Unit: 3634  Petitions to revive under 37 CFR 1.137(a) or (b), or requests to withdraw the holding of abandonment under 37 CFR 1.181, should be promptly filed to minimize any negative effects on patent term.  U.S Patent and Trademark Office.	), which is after the expiration of the statutory period for payment of the issue fee (and publication fee) set in the Notice of						
(c)	(b) ☐ The submitted fee of \$ is insufficient. A balance of \$ is due.						
3. Applicant's failure to timely file corrected drawings as required by, and within the three-month period set in, the Notice of Allowability (PTO-37).  (a) Proposed corrected drawings were received on (with a Certificate of Mailing or Transmission dated), which is after the expiration of the period for reply.  (b) No corrected drawings have been received.  4. The letter of express abandonment which is signed by the attorney or agent of record, the assignee of the entire interest, or all of the applicants.  5. The letter of express abandonment which is signed by an attorney or agent (acting in a representative capacity under 37 CFR 1.34(a)) upon the filling of a continuing application.  6. The decision by the Board of Patent Appeals and Interference rendered on and because the period for seeking court review of the decision has expired and there are no allowed claims.  7. The reason(s) below:  Alvin C. Chin-Shue Examiner Art Unit: 3634  Petitions to revive under 37 CFR 1.137(a) or (b), or requests to withdraw the holding of abandonment under 37 CFR 1.181, should be promptly filed to U.S Patent and Trademark Office.	The issue fee required by 37 CFR 1.18 is \$ The publication fee, if required by 37 CFR 1.18(d), is \$						
Allowability (PTO-37).  (a) Proposed corrected drawings were received on (with a Certificate of Mailing or Transmission dated), which is after the expiration of the period for reply.  (b) No corrected drawings have been received.  4. The letter of express abandonment which is signed by the attorney or agent of record, the assignee of the entire interest, or all of the applicants.  5. The letter of express abandonment which is signed by an attorney or agent (acting in a representative capacity under 37 CFR 1.34(a)) upon the filing of a continuing application.  6. The decision by the Board of Patent Appeals and Interference rendered on and because the period for seeking court review of the decision has expired and there are no allowed claims.  7. The reason(s) below:  Alvin C. Chin-Shue Examiner Art Unit: 3634  Petitions to revive under 37 CFR 1.137(a) or (b), or requests to withdraw the holding of abandonment under 37 CFR 1.181, should be promptly filed to minimize any negative effects on patent term.  US Patent and Trademank Offices	(c) ☐ The issue fee and publication fee, if applicable, has not been received.						
after the expiration of the period for reply.  (b)  No corrected drawings have been received.  4.  The letter of express abandonment which is signed by the attorney or agent of record, the assignee of the entire interest, or all of the applicants.  5.  The letter of express abandonment which is signed by an attorney or agent (acting in a representative capacity under 37 CFR 1.34(a)) upon the filing of a continuing application.  6.  The decision by the Board of Patent Appeals and Interference rendered on and because the period for seeking court review of the decision has expired and there are no allowed claims.  7.  The reason(s) below:  Alvin C. Chin-Shue Examiner Art Unit: 3634  Petitions to revive under 37 CFR 1.137(a) or (b), or requests to withdraw the holding of abandonment under 37 CFR 1.181, should be promptly filed to Unitimizize any negative effects on patent term.  U.S. Patent and Trademark Office							
4. ☐ The letter of express abandonment which is signed by the attorney or agent of record, the assignee of the entire interest, or all of the applicants.  5. ☐ The letter of express abandonment which is signed by an attorney or agent (acting in a representative capacity under 37 CFR 1.34(a)) upon the filing of a continuing application.  6. ☐ The decision by the Board of Patent Appeals and Interference rendered on and because the period for seeking court review of the decision has expired and there are no allowed claims.  7. ☐ The reason(s) below:  Alvin C. Chin-Shue Examiner Art Unit: 3634  Petitions to revive under 37 CFR 1.137(a) or (b), or requests to withdraw the holding of abandonment under 37 CFR 1.181, should be promptly filed to U.S. Patent and Trademark Office							
the applicants.  5.  The letter of express abandonment which is signed by an attorney or agent (acting in a representative capacity under 37 CFR 1.34(a)) upon the filing of a continuing application.  6.  The decision by the Board of Patent Appeals and Interference rendered on and because the period for seeking court review of the decision has expired and there are no allowed claims.  7.  The reason(s) below:  Alvin C. Chin-Shue Examiner Art Unit: 3634  Petitions to revive under 37 CFR 1.137(a) or (b), or requests to withdraw the holding of abandonment under 37 CFR 1.181, should be promptly filed to use and Trademark Office	(b) ☐ No corrected drawings have been received.						
1.34(a)) upon the filing of a continuing application.  6.  The decision by the Board of Patent Appeals and Interference rendered on and because the period for seeking court review of the decision has expired and there are no allowed claims.  7.  The reason(s) below:  Alvin C. Chin-Shue Examiner Art Unit: 3634  Petitions to revive under 37 CFR 1.137(a) or (b), or requests to withdraw the holding of abandonment under 37 CFR 1.181, should be promptly filed to minimize any negative effects on patent term.  U.S. Patent and Trademark Office							
of the decision has expired and there are no allowed claims.  7. The reason(s) below:  Alvin C. Chin-Shue Examiner Art Unit: 3634  Petitions to revive under 37 CFR 1.137(a) or (b), or requests to withdraw the holding of abandonment under 37 CFR 1.181, should be promptly filed to minimize any negative effects on patent term.  U.S. Patent and Trademark Office							
Alvin C. Chin-Shue Examiner Art Unit: 3634  Petitions to revive under 37 CFR 1.137(a) or (b), or requests to withdraw the holding of abandonment under 37 CFR 1.181, should be promptly filed to minimize any negative effects on patent term.  U.S. Patent and Trademark Office							
Examiner Art Unit: 3634  Petitions to revive under 37 CFR 1.137(a) or (b), or requests to withdraw the holding of abandonment under 37 CFR 1.181, should be promptly filed to minimize any negative effects on patent term.  U.S. Patent and Trademark Office	7. The reason(s) below:						
Examiner Art Unit: 3634  Petitions to revive under 37 CFR 1.137(a) or (b), or requests to withdraw the holding of abandonment under 37 CFR 1.181, should be promptly filed to minimize any negative effects on patent term.  U.S. Patent and Trademark Office							
Examiner Art Unit: 3634  Petitions to revive under 37 CFR 1.137(a) or (b), or requests to withdraw the holding of abandonment under 37 CFR 1.181, should be promptly filed to minimize any negative effects on patent term.  U.S. Patent and Trademark Office			Alvin C. Chin-Shue				
Petitions to revive under 37 CFR 1.137(a) or (b), or requests to withdraw the holding of abandonment under 37 CFR 1.181, should be promptly filed to minimize any negative effects on patent term.  U.S. Patent and Trademark Office			Examiner				
U.S. Patent and Trademark Office	Petitions to revive under 37 CFR 1.137(a) or (b), or requests to withdraw the holding of abandonment under 37 CFR 1.181, should be promptly filed to						
	U.S. Patent and Trademark Office	of Abandonment	Part of Paper No. 20060215				